## Lot 607 The Farms Fast Track Septic System Information

| | |
|---|---|
| **Number of Bedrooms** | **4** |
| **Basement or Crawl** | **Crawl Space** |
| **Design Flow (gpd)** | **480** |
| **Primary System LTAR (gpd/ft2)** | **0.25** |
| **Primary System Type** | **25% Reduction** |
| | |
| No. Lines | 6 (See Table) |
| Total Linear Feet | 480 |
| | |
| Trench Width | 3' min. |
| Trench Spacing | 9' min. |
| | |
| Pump Required | Yes |
| Distribution Device | Pressure Manifold |
| | |
| Maintenance Agreement Required | No |
| | |
| Length and Diameter of Supply Pipe | 1150' of 2.5" SCH 40 PVC |
| | |
| Flow Rate through the system | 33 gpm |
| Elevation head | Approx. 6' |
| Pressure head | 2.0' |
| Friction head | 10.5' |
| 20% Contingency | 3.7' |
| Total Head | 22.2' |
| | |
| Pump Requirements | 33 gpm @ 22.2' of head<br>To be designed by installer. |
| | |
| Maximum Dosing Volume | 240 gal -2.0 doses/day @ design flow |
| | |
| Volume of water pumped per dose | Calculated to specific tank by measure or dealer engineering specifications ( 1 cubic ft. of water equals 7.48 gal.) |
| | |
| Pump Run per dose | approx. 7.3 min. |
| | |
| Check Valve | Yes |
| Siphon Break hole | Yes |
| | |
| **Repair System** | **LP PPBPS** |
| Total Linear Feet | 399 |
| Repair Loading Rate | 0.25 |

## Table: Summary of Primary and Repair Nitrification Line Specifications

| Line No. | Use | Line Color | System Type | Line Length (Ft.) | Rod Reading Elevation (Ft.) |
|---|---|---|---|---|---|
| 1 | System | Pink | 25% Reduction | 80 endfed | 785.0 |
| 2 | System | Orange | 25% Reduction | 80 endfed | |
| 3 | System | Blue | 25% Reduction | 80 endfed | |
| 4 | Repair | Blue | LP PPBPS | 60 | |
| 5 | System | Red | 25% Reduction | 80 endfed | |
| 6 | System | White | 25% Reduction | 80 endfed | |
| 7 | System | Pink | 25% Reduction | 80 endfed | |
| 8 | Repair | Orange | LP PPBPS | 69 | |
| 9 | Repair | | LP PPBPS | 120 | |
| 10 | Repair | Blue | LP PPBPS | 150 | 780.0 |
| | | | | Total System: 480' | |
| | | | | Total Repair: 399' | |

| | | | |
|---|---|---|---|
| Tank | Red | 1500 gal (2 compartment) | 817.0 |
| Pump Tank | Red | 1500 gal. | 817.0 |
| House | Blue | | 818.0 |

| Manifold Information | |
|---|---|
| Tap Size (In.) | 1/2 |
| Tap Material | SCH 80 PVC |
| No. Taps | 6 |
| Barrel Size (In.) | 4 |
| Barrel Material | SCH 80 PVC |
| Flow (gpm)/Tap | 5.5 |

**Note: Elevations estimated from 1 foot site specific topographic map and must be verified before obtaining an ATC. System and repair located offsite on easement 609-607A Fill old roadbed.**

93 gpm

17.3
14.4

46.1/8
48 3/4

2.5